

Comparisons of Job Characteristics

Focus Occupation: [Electro-Mechanical Technicians \(17-3024\)](#)

Associated Occupation: [Electromechanical Equipment Assemblers \(51-2023\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 71

Focus Occupation: Electro-Mechanical Technicians (17-3024)

Associated Occupation: Electromechanical Equipment Assemblers (51-2023)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	13.4	15.6	> Current knowledge level is likely sufficient
Production and Processing	6.0	12.0	10.8	< Expanded education and/or training may be required
Engineering and Technology	5.7	10.3	14.2	>> Current knowledge level is likely more than sufficient
Design	5.2	7.8	7.8	0 Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: Electro-Mechanical Technicians (17-3024)

Associated Occupation: Electromechanical Equipment Assemblers (51-2023)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Quality Control Analysis	5.9	9.8	12.9	>> Skill level is likely more than sufficient
Troubleshooting	4.5	8.8	12.8	>> Skill level is likely more than sufficient
Operation Monitoring	6.6	8.7	13.9	>> Skill level is likely more than sufficient
Equipment Maintenance	3.5	7.2	10.8	>> Skill level is likely more than sufficient
Repairing	3.4	6.6	12.3	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Electro-Mechanical Technicians (17-3024)
Associated Occupation: Electromechanical Equipment Assemblers (51-2023)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Finger Dexterity	7.6	11.9	12.5	0	Current ability level may be sufficient
Manual Dexterity	6.5	11.2	11.6	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	10.1	12.0	>	Current ability level is likely sufficient
Control Precision	6.6	9.5	12.1	>	Current ability level is likely sufficient
Visualization	7.5	9.1	10.8	>	Current ability level is likely sufficient
Hearing Sensitivity	5.6	7.1	9.8	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Electro-Mechanical Technicians (17-3024)
Associated Occupation: Electromechanical Equipment Assemblers (51-2023)

Work Activities	Exclusivity of Activity
Fabricate, assemble, or disassemble manufactured products by hand	11
Modify electrical or electronic equipment or products	74
Precision assemble electronic, electrical, or electromechanical equipment	95
Read blueprints	10
Read manufacturing outlines for electronic products	84
Read schematics	34
Solder electrical or electronic connections or components	55
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Electro-Mechanical Technicians (17-3024)
Associated Occupation: Electromechanical Equipment Assemblers (51-2023)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.